

1. Record Nr.	UNINA9910963244103321
Titolo	Fibrocartilaginous eustachian tube : middle ear cleft / / edited by Bernard Ars
Pubbl/distr/stampa	The Hague, : Kugler, 2003
ISBN	9786610739189 9781280739187 1280739185 9789062997435 9062997430
Edizione	[1st ed.]
Descrizione fisica	1 online resource (241 p.)
Altri autori (Persone)	ArsB (Bernard)
Disciplina	616.2 616.2106
Soggetti	Eustachian tube - Diseases Middle ear - Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; Introduction; History; The history of the anatomy and physiology of the fibrocartilaginous eustachian tube; Phylogeny; Phylogeny of hearing and auditory structures; Morphology and physiology; Developmental morphology of the middle ear cleft; Development of the fibrocartilaginous eustachian tube; Opening and closure of the fibrocartilaginous eustachian tube; Balance of pressure variations in the middle ear cleft; Inflammatory mediators, gas composition, and middle ear epithelial pathophysiology: an experimental approach using cell culture Eustachian tube function and mucosal diffusion: their mutual relationship to middle ear pressure regulation Middle ear cleft pressure: continuous 24-hour measurements; Contribution of eardrum pars flaccida and pars tensa volume displacement to pressure regulation in the middle ear cleft; Fibrocartilaginous eustachian tube and cholesteatoma; Paraclinical tubal functional evaluation; Sonotubometry; Tubomanometry; Tubomanometry and pathology; Slow motion endoscopic video-analysis of the fibrocartilaginous eustachian tube;

## Therapeutic management of tubal dysfunction

Tubal dysfunction: etiology and middle ear pathology  
Eustachian tube surgery. I. Laser eustachian tuboplasty. II. Patulous eustachian tube surgical management; Re-adaptation of the baroreceptors of the fibrocartilaginous eustachian tube and middle ear cleft by means of the Kinetube®; Tubal therapy: its foundations, modalities and efficiency; Index of authors

### Sommario/riassunto

Acute and chronic ear disease continues to be one of the leading diseases of childhood. Understanding eustachian tube function and management remains one of the most important aspects in controlling inflammatory ear disease. Chronic ear disease requires elaborate surgical interventions designed to bypass eustachian tube dysfunction and/or poor mastoid aeration, since surgical management of the eustachian tube has been elusive. Our understanding of the ear and hearing continues to expand at record pace, as auditory neuroscientists discover the fundamental molecular structure and function of the